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| 09/281,797 | 03/31/1999 | ATSUSHI TESHIMA | 0905-0216P | 7652 |

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EXAMINER

TRAN, PHILIP B

| ART UNIT | PAPER NUMBER |
|----------|--------------|
| 2155 | |

DATE MAILED: 11/21/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

| | |
|--------------------------------------|--------------------------------|
| Application No. 09/281,797 | Applicant(s) Teshima |
| Examiner Philip B. Tran | Art Unit 2155 |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE three MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136 (a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) Responsive to communication(s) filed on Sep 6, 2002

2a) This action is FINAL. 2b) This action is non-final.

3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

Disposition of Claims

4) Claim(s) 2-4, 6-10, 14-16, and 21-29 is/are pending in the application.

4a) Of the above, claim(s) _____ is/are withdrawn from consideration.

5) Claim(s) _____ is/are allowed.

6) Claim(s) 2-4, 6-10, 14-16, and 21-29 is/are rejected.

7) Claim(s) _____ is/are objected to.

8) Claims _____ are subject to restriction and/or election requirement.

Application Papers

9) The specification is objected to by the Examiner.

10) The drawing(s) filed on _____ is/are a) accepted or b) objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

11) The proposed drawing correction filed on _____ is: a) approved b) disapproved by the Examiner.

If approved, corrected drawings are required in reply to this Office action.

12) The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

13) Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a) All b) Some* c) None of:

1. Certified copies of the priority documents have been received.

2. Certified copies of the priority documents have been received in Application No. _____.

3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

*See the attached detailed Office action for a list of the certified copies not received.

14) Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

a) The translation of the foreign language provisional application has been received.

15) Acknowledgement is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

1) Notice of References Cited (PTO-892)

4) Interview Summary (PTO-413) Paper No(s). _____

2) Notice of Draftsperson's Patent Drawing Review (PTO-948)

5) Notice of Informal Patent Application (PTO-152)

3) Information Disclosure Statement(s) (PTO-1449) Paper No(s). 12

6) Other: _____

DETAILED ACTION

1. Amendment C, received on 9/6/2002, has been entered. Claims 21 and 23-29 have been amended. Therefore, pending claims 2-4, 6-10, 14-16 and 21-29 are respectfully rejected as follows.

Claim Rejections - 35 U.S.C. § 103

2. The following is a quotation of 35 U.S.C. § 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 2-4, 6-10, 14-16 and 21-29 are rejected under 35 U.S.C. § 103(a) as being unpatentable over Flowers, Jr. et al (Hereafter, Flowers), U.S. Pat. No. 5,533,174 in view of Perry, "Teach Yourself WINDOWS 95," 1997.

Regarding claim 21, Flowers teaches a font sharing system in which data can be communicated between a client computer and a server, the client computer comprising :

means for selecting a font (i.e., the client or the user at the client selects a font from the list) [see Abstract, Col. 8, Lines 54-65 and Col. 9, Line 30 - Col. 10, Line 12];
font preview data storage determination means for determining whether font preview data has been stored (i.e., checking property lists and catalogs) [see Col. 3, Lines 17-30 and Col. 4, Line 50 - Col. 5, Line 16 and Col. 12, Lines 13-21];

display control means for controlling a display device so as to display, on a display screen, the representative character represented by the font preview data in response to a

determination by the font preview data storage determination means that the font preview data has been stored; and means for transmitting to the server a request to transmit the font preview data in response to a determination by the font preview data storage determination means that the font preview data has not been stored (i.e., printing or displaying font-related information in property lists and catalogs) [see Col. 12, Lines 5-21]; and

Flowers teaches the server including font preview data transmitting means for transmitting the font preview data to the client computer in response to the font preview data transmission request transmitted from the client computer (i.e., the server supplies to the client a list of all catalogues and a list of fonts) [see Col. 9, Lines 30-36].

Flowers does not explicitly teach font preview data displays a representative character of a font selected by the font selecting means. However, the concept of font type preview and print displaying a representative character of a font is well-known in the art as disclosed by Perry [see Page 16]. It would have been obvious to one of ordinary skill in the art at the time of the invention was made to preview fonts with character data in order to select and transmit the right fonts before displaying/printing.

Regarding claim 22, Flowers further teaches the client computer including :

input means for inputting a command determining the font represented by the font preview data (i.e., the client or the user at the client requests font lists, then checks and selects a font from the list) [see Abstract, Col. 3, Lines 17-30 and Col. 4, Line 50 - Col. 5, Line 16 and Col. 8, Lines 54-65 and Col. 9, Line 30 - Col. 10, Line 12 and Col. 12, Lines 13-21];

means for transmitting character specifying data, which specifies a character, and font specifying data, which specifies a font determined by the input means, to the server (i.e., the client supplies information such as font name or printing or display features such as desired letter height, orientation, writing mode, and so forth to the server) [see Abstract and Col. 2, Line 50 - Col. 3, Line 16].

Flowers further teaches the server including :

first character image data storage means storing character image data expressing a character as an image (i.e., font storage 18) [see Figs. 1-2];

receiving means for receiving the character specifying data and the font specifying data transmitted from said client computer (i.e., the font server receive information supplied by the client regarding font name or printing or display features such as desired letter height, orientation, writing mode, and so forth) [see Abstract and Col. 2, Line 50 - Col. 3, Line 16];

retrieval means for retrieving, from said first character image data storage means, character image data expressing a character, which has been specified by the character specifying data received by said receiving means, as an image in such a manner that the specified character will have a font specified by the font specifying data received by said receiving means (i.e., the font server retrieves an appropriate font from storage and prepare the font for use with the current application) [see Col. 3, Lines 17-30];

character image data generating means for generating the character image data in response to a situation where the character image data cannot be found in the first character image data storage means by retrieval performed by the retrieval means (i.e., customizing the

font as necessary and rendering outlines and/or bit maps and reformatting the bit maps or outlines) [see Col. 4, Lines 30-34 and Col. 6, Lines 10-16]; and

character image data transmitting means for transmitting, to the client computer, character image data generated by the character image data generating means or character image data found by retrieval by the retrieval means (i.e., the font server supplies the outlines and /or bit maps to the client in a format which is compatible with the client's application software) [see Col. 4, Lines 34-36 and Col. 6, Lines 24-29].

Regarding claim 2, Flowers further teaches means for transmitting, to the server, size designating data representing the size of a character specified by the character specifying data (i.e., the client supplies to the server the information regarding font name or printing or display features such as desired letter height, orientation, writing mode, and so forth) [see Abstract and Col. 2, Line 50 - Col. 3, Line 16]; and the retrieval means of the server retrieves, from the first character image data storage means, character image data expressing a character, which has been specified by the character specifying data and has a size that has been designated by the size designating data, as an image in such a manner that the specified character will have a font specified by the font specifying data (i.e., the font server retrieves an appropriate font from storage and prepare the font for use with the current application and produces bit maps or outlines, as appropriate, in accordance with specified rendering instruction) [see Col. 3, Lines 17-30 and Col. 4, Lines 30-34 and Col. 11, Lines 30-32].

Regarding claim 3, Flowers further teaches display control means for controlling a display device in such a manner that a frame having the size of a character represented on the basis of the size designating data will be displayed on a display screen (i.e., client prints or displays characters) [see Fig. 3B and Col. 6, Lines 6-23 and Col. 9, Lines 62-65].

Regarding claim 4, Flowers further teaches second character image data storage means for storing character image data expressing a character as an image (i.e., font storage 18) [see Figs. 1-2];

determination means for determining whether character image data expressing a character as an image has been stored in the second character image data storage means, wherein the character has been specified by the character specifying data, has a font that has been specified by the font specifying data and a size that has been designated by the size designating data (i.e., determining if selected font exists in the font storage) [see Col. 5, Lines 6-16]; and

enlarging/reducing means which, in response to a determination by said determination means to the effect that the character image data has not been stored in the second character image data storage means, is for processing the character image data in such a manner that, of character image data that has been stored in the second character image data storage means, a character image that has been specified by the character specifying data and has a font that has been specified by the font specifying data will be enlarged or reduced so as to take on a size that has been designated by the size designating data (i.e., customizing font by enlarging or eliminating glyph and scaling the glyph shape to a desired size) [see Col. 7, Lines 30-65].

Regarding claim 6, Flowers further teaches the transmitting means of the client computer transmits, to the server, character string specifying data for specifying a combination of a plurality of characters constructing a character string, and font specifying data for specifying fonts of the characters constructing the character string (i.e., the client supplies requested information to the server wherein the information includes ID, fonts and character shapes or character metrics) [see Col. 11, Lines 4-66]; and

the receiving means of the server receives the character string data and the font specifying data transmitted from the transmitting means and the retrieval means of the server retrieves, from the first character image data storage means, character image data expressing characters as images, wherein each of these characters, which construct the character string specified by the character string data, has a font that has been specified by the font specifying data (i.e., the font server receive information supplied by the client regarding font name or printing or display features such as desired letter height, orientation, writing mode, and so forth and the font server retrieves an appropriate font from the storage and prepare the font for use with the current application) [see Abstract and Col. 2, Line 50 - Col. 3, Line 30]

Regarding claim 7, Flowers further teaches the client includes style data transmitting means for transmitting, to the server, character style designating data for designating style of a character specified by the character specifying data (i.e., the client supplies requested information such as font or character style display feature) [see Col. 1, Lines 13-60 and Col. 2, Line 62 - Col. 3, Line 30]; and

the server includes:

designated character-style retrieval means for retrieving, from the first character image data storage means, designated-style character image data expressing, as an image, a character of a style designated by the character style designating data transmitted from the style data transmitting means (i.e., the font server retrieves an appropriate font from storage and prepare the font for use with the current application) [see Col. 3, Lines 17-30];

designated-style character image data generating means for generating the designated-style character image data in response to a situation where the designated-style character image data is not found by the designated character-style retrieval means (i.e., customizing the font as necessary and rendering outlines and/or bit maps and reformatting the bit maps or outlines) [see Col. 4, Lines 30-34 and Col. 6, Lines 10-16]; and

designated-style character image data transmitting means for transmitting, to the client computer, the designated-style character image data generated by the designated-style character image data generating means or the designated-style character image data found by the designated character-style retrieval means (i.e., the font server supplies the outlines and /or bit maps to the client in a format which is compatible with the client's application software) [see Col. 4, Lines 34-36 and Col. 6, Lines 24-29].

Regarding claim 8, Flowers further teaches the server includes style information transmitting means for transmitting, to the client computer, style information for generating the designated-style character image data (i.e., the font server provides a user a list of the catalogues,

a list of font families, and so forth to allow the user to select a desired font) [see Col. 3, Lines 17-30 and Col. 8, Lines 35-53]; and

the client computer includes means for generating the designated-style character image data based upon the style information and the character image data transmitted from the style information transmitting means (i.e., client follows the procedures to customize the font, as appropriate, and acquire character metrics and bit maps or outlines needed for printing and display) [see Col. 9, Lines 30-65].

Regarding claim 9, Flowers further teaches the client includes character image data storage means for storing the character image data transmitted from the character image data transmitting means (i.e., storage facilities) [see Col. 5, Line 62 - Col. 6, Line 5].

Regarding claim 10, Flowers further teaches the server includes a printing device (i.e., associated printers 14) [see Figs 1-2]; and means for generating new character image data, from the character image data that has been designated by the character image data generating means, so as to obtain a character image having a resolution suited to the resolution of the printing device (i.e., selecting appropriate font and customizing the font as necessary and supplying the outlines and/or bit maps to the client in a format which is compatible with client) [see Col. 4, Lines 28-46 and Col. 5, Lines 25-61].

Regarding claim 23, Flowers teaches a client computer capable of communicating data with a server (i.e., work station 12 and font server 16) [see Figs. 1-2], comprising :

means for selecting a font (i.e., the client or the user at the client selects a font from the list) [see Abstract, Col. 8, Lines 54-65 and Col. 9, Line 30 - Col. 10, Line 12];
font preview data storage determination means for determining whether font preview data has been stored (i.e., checking property lists and catalogs) [see Col. 3, Lines 17-30 and Col. 4, Line 50 - Col. 5, Line 16 and Col. 12, Lines 13-21];

display control means for controlling a display device so as to display, on a display screen, the representative character represented by the font preview data in response to a determination by the font preview data storage determination means that the font preview data has been stored; and means for transmitting to the server a request to transmit the font preview data in response to a determination by the font preview data storage determination means that the font preview data has not been stored (i.e., printing or displaying font-related information in property lists and catalogs) [see Col. 12, Lines 5-21].

Flowers does not explicitly teach font preview data displays a representative character of a font selected by the font selecting means. However, the concept of font type preview and print displaying a representative character of a font is well-known in the art as disclosed by Perry [see Page 16]. It would have been obvious to one of ordinary skill in the art at the time of the invention was made to preview fonts with character data in order to select and transmit the right fonts before displaying/printing.

Regarding claim 24, Flowers teaches a server capable of communicating data with a client computer (i.e., font server 16 and work station 12) [see Figs. 1-2], comprising :

storage means for storing font preview data (i.e., font storage 18) [see Figs. 1-2];

receiving means for receiving a request to transmit the font preview data transmitted from the client computer (i.e., the font server receives information supplied by the client regarding font name or printing or display features such as desired letter height, orientation, writing mode, and so forth) [see Abstract and Col. 2, Line 50 - Col. 3, Line 16];

retrieval means for retrieving the font preview data in response to the request received by the receiving means from the storage means (i.e., the font server retrieves an appropriate font from storage and prepare the font for use with the current application) [see Col. 3, Lines 17-30]; and

transmitting means for transmitting the font preview data found by the retrieval means to the client computer (i.e., the font server supplies the outlines and /or bit maps to the client in a format which is compatible with the client's application software) [see Col. 4, Lines 34-36 and Col. 6, Lines 24-29 and Col. 9, Line 30 - Col. 10, Line 12].

Flowers does not explicitly teach font preview data displays a representative character of a font selected by the font selecting means. However, the concept of font type preview and print displaying a representative character of a font is well-known in the art as disclosed by Perry [see Page 16]. It would have been obvious to one of ordinary skill in the art at the time of the invention was made to preview fonts with character data in order to select and transmit the right fonts before displaying/printing.

Claims 25-26 are rejected under the same rationale set forth above to claim 21.

Claims 14-15 are rejected under the same rationale set forth above to claims 2-3, respectively.

Claim 16 is rejected under the same rationale set forth above to claim 6.

Claim 27 is rejected under the same rationale set forth above to claim 24.

Claim 28 is rejected under the same rationale set forth above to claim 23.

Claim 29 is rejected under the same rationale set forth above to claim 24.

Other References Cited

4. The following references cited by the examiner but not relied upon are considered pertinent to applicant's disclosure.

- A) Moore et al, U.S. Pat. No. 5,528,742.
- B) Jackson et al, U.S. Pat. No. 5,970,225.
- C) Desrosiers, U.S. Pat. No. 6,057,858.

Conclusion

5. Applicant's arguments have been considered but are deemed to be moot in view of the new grounds of rejections.

6. A SHORTENED STATUTORY PERIOD FOR RESPONSE TO THIS ACTION IS SET TO EXPIRE THREE MONTHS, OR THIRTY DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. FAILURE TO RESPOND WITHIN THE PERIOD FOR RESPONSE WILL CAUSE THE APPLICATION TO BECOME ABANDONED (35 U.S.C. § 133). EXTENSIONS OF TIME MAY BE OBTAINED UNDER THE PROVISIONS OF 37 CAR 1.136(A).

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Philip Tran whose telephone number is (703) 308-8767. The Group fax phone number is (703) 746-7239.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ayaz R. Sheikh, can be reached on (703) 305-9648.

Any inquiry of a general nature or relating to the status of this application should be directed to the Group receptionist whose telephone number is (703) 305-3900.

PBT
Philip B. Tran
Art Unit 2155
Nov 14, 2002

Ayaz Sheikh
AYAZ SHEIKH
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